

--Description of the Related Art--.

Page 2, after line 20, please insert:

--SUMMARY OF THE INVENTION--.

Page 2, line 22, please delete "STATEMENT OF THE INVENTION".

Page 4, line 29, please insert after "FIGURES" --OF THE DRAWING--.

Page 5, line ¹²~~18~~, please insert after "OF", first instance, --THE PREFERRED--.

IN THE CLAIMS:

Please replace Claims 1-19 as follows:

1. (Amended) A process for the detection of hydrocarbons other than methane in a gas predominantly comprising oxygen, methane and said hydrocarbons other than methane, the process comprising:
- a stage of detection of the combined hydrocarbons in said gas, providing a first value for the combined hydrocarbons,
 - a stage of combustion of the hydrocarbons other than methane,
 - a stage of detection of methane in said gas, providing a second value,
 - a stage of calculation of the amount of hydrocarbons other than methane by the difference between the first value and the second value.